

Product Data Sheet

Product Name: ERR α antagonist-1

Cat. No.: GC38777

Chemical Properties

Cas. No. 1072145-33-5

SMILES C12=CC=CC=C1C(/N=C3SCCN\3C4=NCCS4)C5=CC=CC=C5C=C2

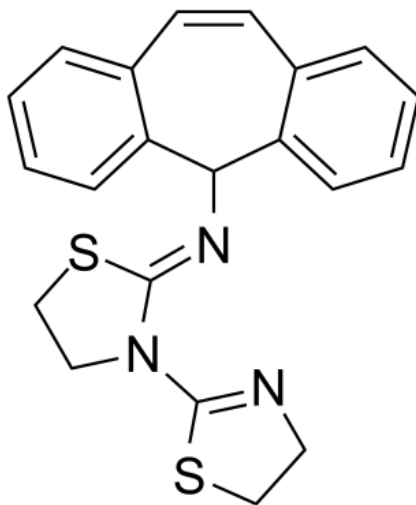
Formula $C_{21}H_{19}N_3S_2$ M.Wt 377.53

Solubility DMSO: 7.14 mg/mL (18.91 mM) Storage 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

ERR α antagonist-1 (Compound A) is a selective and high affinity estrogen-related receptor α (ERR α)

Caution: Product has not been fully validated for medical applications. For research use only.

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antagonist. ERR α antagonist-1 inhibits interaction of ERR α with Proliferator-activated Receptor γ Coactivator-1 α (PGC-1 α) and PGC-1 β , the IC₅₀ values are 170 nM and 180 nM, respectively. ERR α antagonist-1 does not inhibit the interaction of either ERR β or ERR γ with PGC-1 α and PGC-1 β coactivator, and also does not inhibit interaction of ER α or ER β with PGC-1 α or SRC-1[1].

[1]. Michael J. Chisamore, et al. Identification of Small Molecule Estrogen-Related

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